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Feb 1, 1998

DERWENT-ACC-NO: 1996-385137

DERWENT-WEEK: 199954

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TITLE: Propellants for airbags, etc. - contains organic nitrogen cpds., oxidants and catalysts

INVENTOR: BLEY, U; REDECKER, K ; WEUTER, W

PATENT-ASSIGNEE:

ASSIGNEE

CODE

DYNAMIT NOBEL GMBH EXPLOSIVSTOFF &amp; SYSTE

DYNM

DYNAMIT NOBEL AGBH EXPLOSIVSTOFF &amp; SYSTE

DYNM

PRIORITY-DATA: 1995DE-1005568 (February 18, 1995)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
MX 9706223 A1	February 1, 1998	N/A	000	C06D005/06
<u>DE 19505568 A1</u>	August 22, 1996	N/A	010	C06D005/06
WO 9626169 A1	August 29, 1996	G	033	N/A
EP 809616 A1	December 3, 1997	G	000	C06D005/06
CZ 9702621 A3	December 17, 1997	N/A	000	C06D005/06
BR 9607444 A	June 30, 1998	N/A	000	C06D005/06
EP 809616 A4	December 3, 1997	N/A	000	C06D005/06
JP 11500098 W	January 6, 1999	N/A	027	C06D005/00
KR 98702294 A	July 15, 1998	N/A	000	C06D005/06

DESIGNATED-STATES: BR CA CN CZ JP KR MX PL RU TR US VN AT BE CH DE DK ES FR GB GR  
IE IT LU MC NL PT SE AT DE ES FR GB IT SECITED-DOCUMENTS:DE 4108225; EP 438851 ; EP 519485 ; EP 607446 ; FR 2691706 ; US  
2953448 ; US 5139588 ; WO 9500462 ; No-Citns.

APPLICATION-DATA:

PUB-NO	APPL-DATE	APPL-NO	DESCRIPTOR
MX 9706223A1	August 14, 1997	1997MX-0006223	N/A
DE 19505568A1	February 18, 1995	1995DE-1005568	N/A
WO 9626169A1	February 13, 1996	1996WO-EP00605	N/A
EP 809616A1	February 13, 1996	1996EP-0902269	N/A
EP 809616A1	February 13, 1996	1996WO-EP00605	N/A
EP 809616A1		WO 9626169	Based on
CZ 9702621A3	February 13, 1996	1996WO-EP00605	N/A
CZ 9702621A3	February 13, 1996	1997CZ-0002621	N/A
CZ 9702621A3		WO 9626169	Based on
BR 9607444A	February 13, 1996	1996BR-0007444	N/A
BR 9607444A	February 13, 1996	1996WO-EP00605	N/A
BR 9607444A		WO 9626169	Based on
EP 809616A4	February 13, 1996	1996EP-0918323	N/A
JP 11500098W	February 13, 1996	1996JP-0525361	N/A
JP 11500098W	February 13, 1996	1996WO-EP00605	N/A
JP 11500098W		WO 9626169	Based on
KR 98702294A	February 13, 1996	1996WO-EP00605	N/A
KR 98702294A	August 18, 1997	1997KR-0705691	N/A
KR 98702294A		WO 9626169	Based on

INT-CL (IPC): C06B 31/06; C06B 43/00; C06D 5/00; C06D 5/06

ABSTRACTED-PUB-NO: DE 19505568A  
BASIC-ABSTRACT:

Propellants for use in gas generators comprise (a) a fuel selected from tetrazoles, triazoles, triazines, cyanic acid, urea and derivs. and salts; (b) an oxidant comprising at least three cpds. selected from peroxide(s), nitrates, chlorates and perchlorates; (c) heterogeneous or homogeneous combustion catalysts; and (d) additives capable of reducing generation of toxic gases. Also claimed are propellants as above except that the fuel comprises (i) a mixt. of aminotetrazole and an aminotetrazole salt or (ii) urea and/or derivs. and/or salt; the oxidant comprises at least two cpds. selected from those above; and component (d) is absent.

USE - Propellants are used in lifesaving equipment, e.g. airbags.

ADVANTAGE - The compsns. are non-toxic and safer to handle than azide-contg. compsns.

CHOSEN-DRAWING: Dwg.0/0

TITLE-TERMS: PROPELLANT AIRBAG CONTAIN ORGANIC NITROGEN COMPOUND OXIDANT CATALYST

DERWENT-CLASS: E13 K04

CPI-CODES: E07-D13B; E07-D13C; E10-A04B; E10-A13B2; E10-A19A; E31-C; E31-E; E31-N04B; E32-B; E34-D03; E35-C; K04-C;

CHEMICAL-CODES:

Chemical Indexing M3 \*01\*

Fragmentation Code

F011 F012 F015 F570 G001 G002 G010 G011 G012 G013  
G019 G020 G021 G022 G029 G040 G100 G111 G112 G221  
G299 H100 H101 H103 H121 H141 H142 H143 H181 H182  
H183 H2 H212 H341 H342 H343 H401 H402 H403 H481  
H482 H483 H713 H715 H716 H721 H722 H723 J011 J012  
J013 J111 J171 J172 J173 K640 K699 K850 K899 L640  
L699 L922 M113 M115 M119 M210 M211 M212 M213 M214